

INTERFUEL: FAST - FY 2020 Federal Fleet Dataset

March 2021

Ron Stewart





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INTERFUEL: FAST - FY 2020 Federal Fleet Dataset

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FAST: FY 2020 Federal Fleet Dataset

INTERFUEL · March 2021



FY 2020 Federal Fleet Dataset: Overview



49 organizations



704K vehicles



1.1M fuel records

FY 2020 Federal Fleet Dataset: Overview









Inventory

658K

+1.9%

Miles

4.16B

-7.1%

(

Fuel

372M GGE

-3.8%

3

Cost

\$3.55B

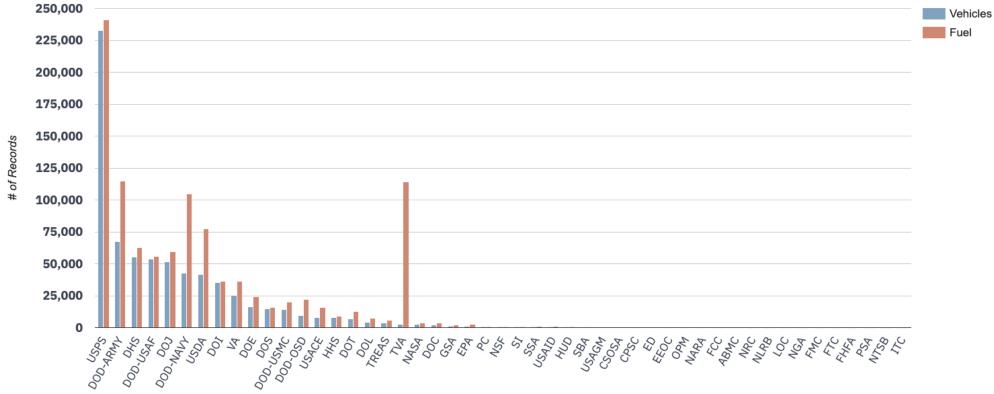
-3.9%



FY Federal 2020 Fleet Dataset: Overview

Agency Submissions

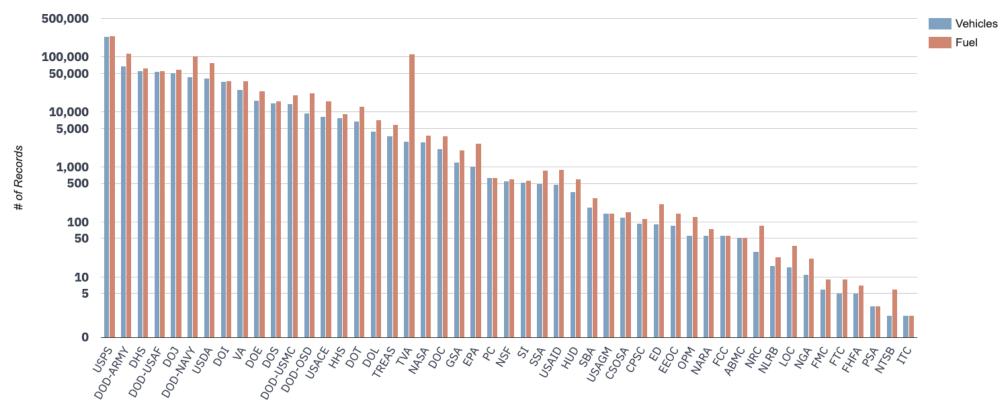




FY 2020 Federal Fleet Dataset: Overview

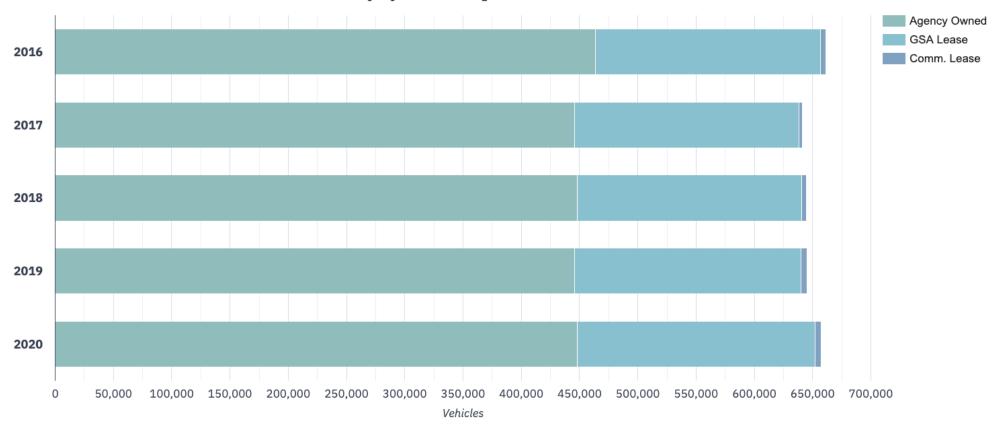
Agency Submissions





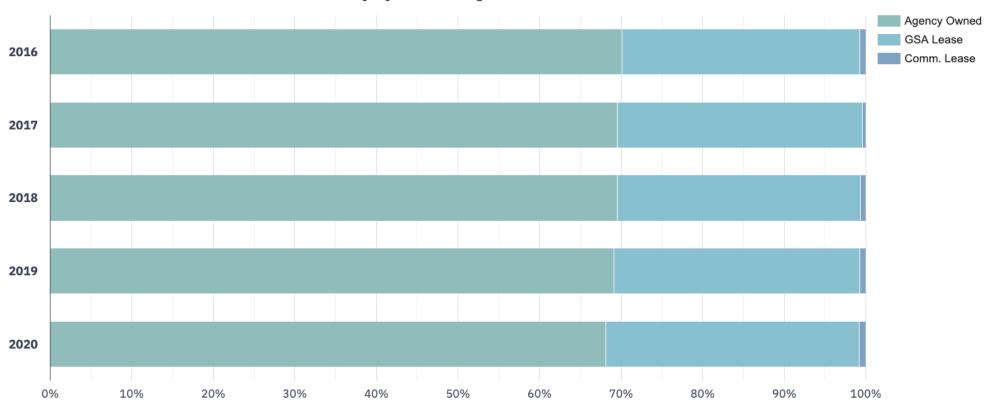
Vehicle Inventory





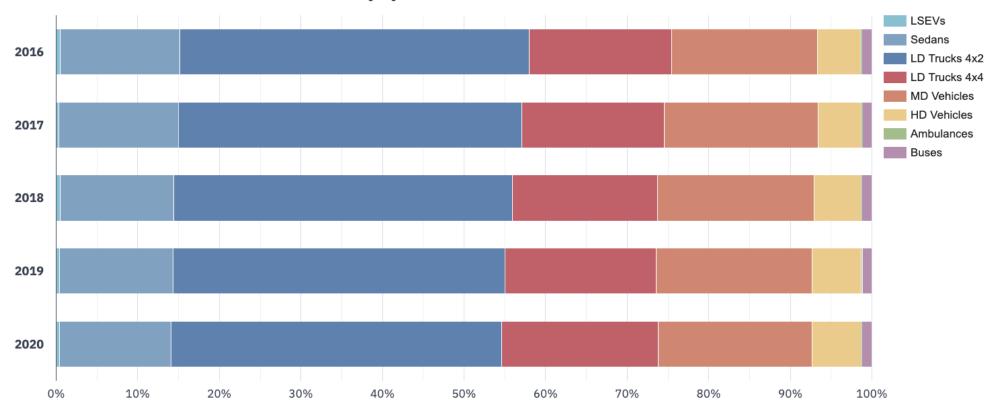
Vehicle Inventory





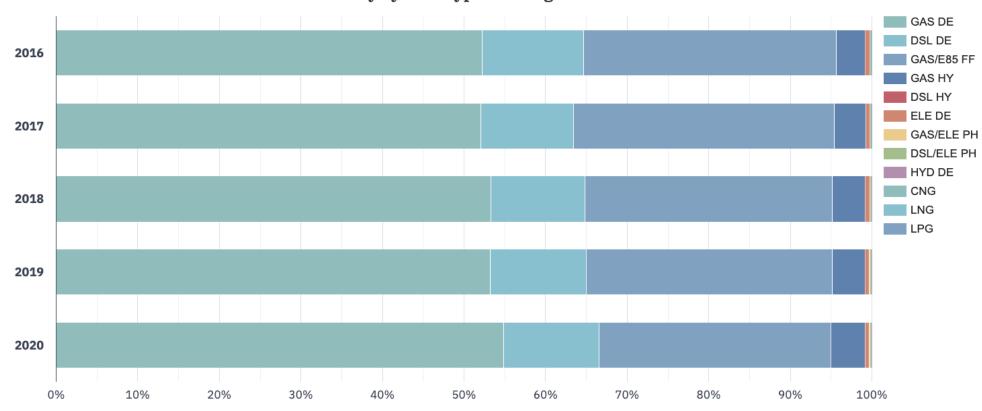
Vehicle Inventory

FAST FY 2020 Dataset: Vehicle Inventory by Class



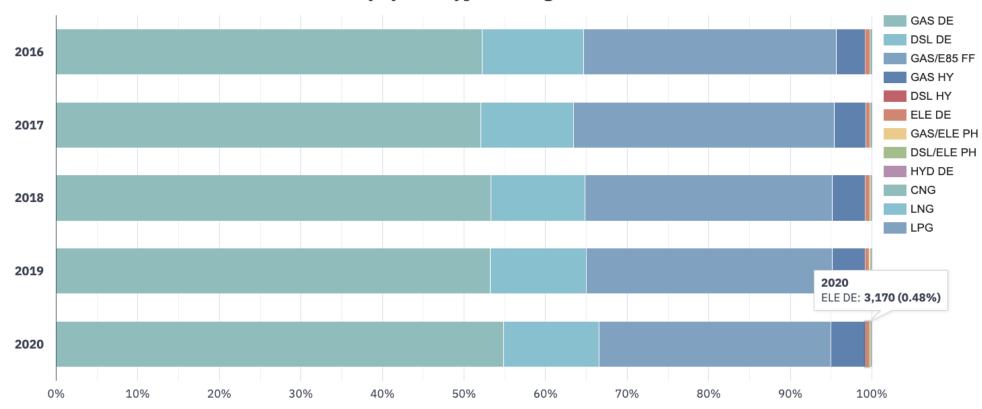
Vehicle Inventory

FAST FY 2020 Dataset: Vehicle Inventory by Fuel Type & Configuration



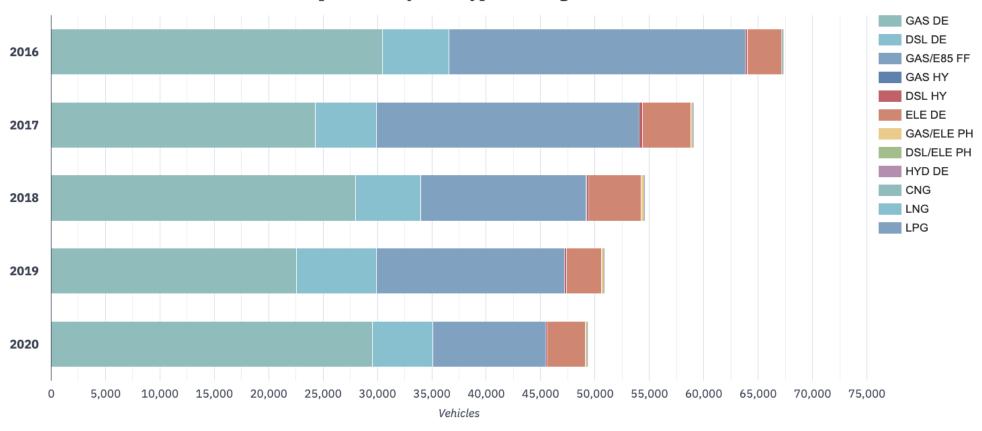
Vehicle Inventory

FAST FY 2020 Dataset: Vehicle Inventory by Fuel Type & Configuration



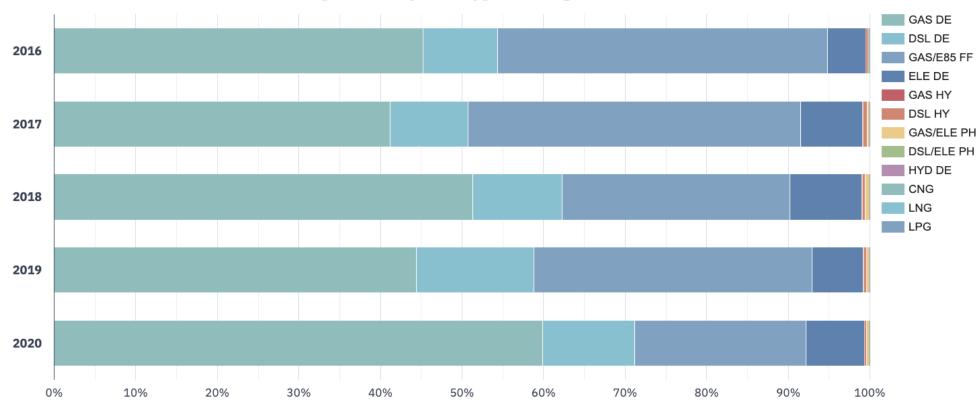
Vehicle Acquisitions

FAST FY 2020 Dataset: Vehicle Acquisitions by Fuel Type & Configuration



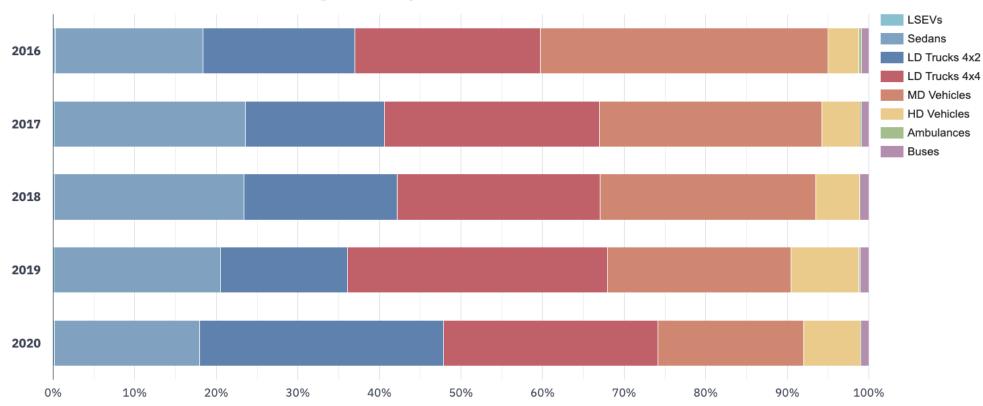
Vehicle Acquisitions





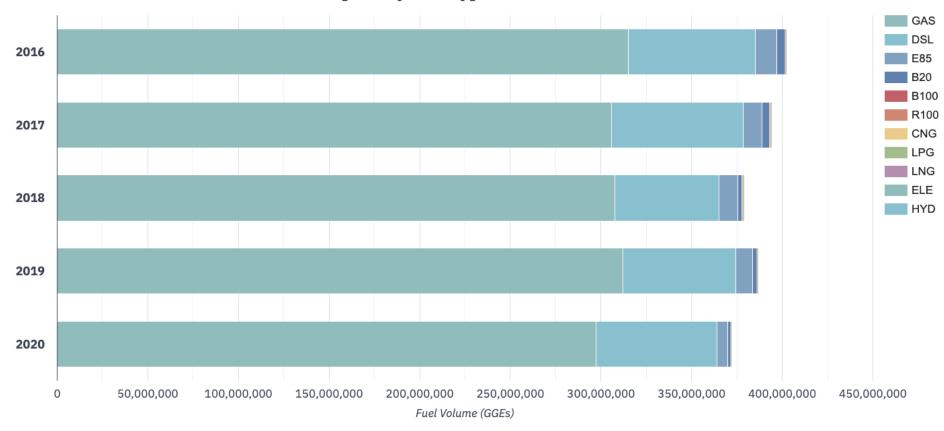
Vehicle Acquisitions





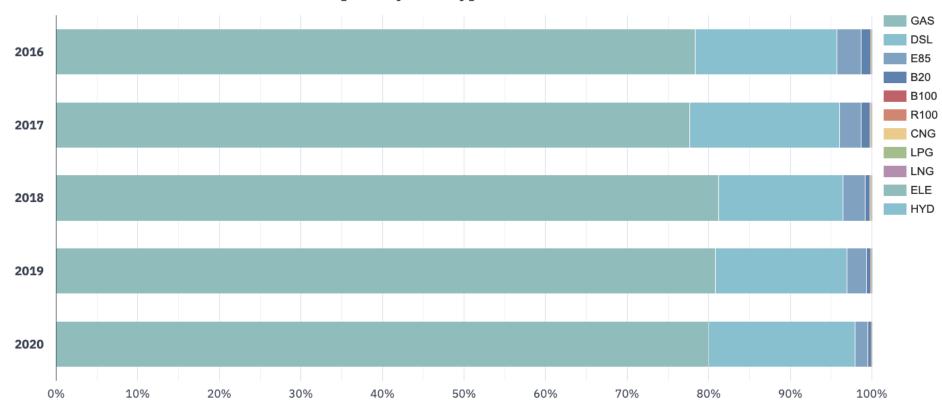
Fuel Consumption



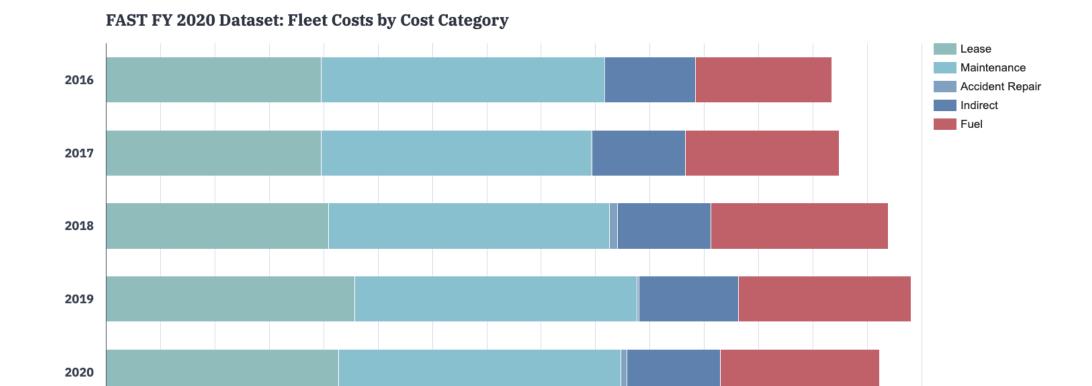


Fuel Consumption





Operating Costs



2.25B

2.75B

3.25B

3.5B

3.75B

2.5B

Source: Federal Automotive Statistical Tool, https://fastweb.inl.gov/
Cost figures include only operating costs (lease, maintenance, accident repair, fuel, indirect costs) and do not include costs associated with acquisition, disposal, or depreciation

750M

1.25B

1.5B

1.75B

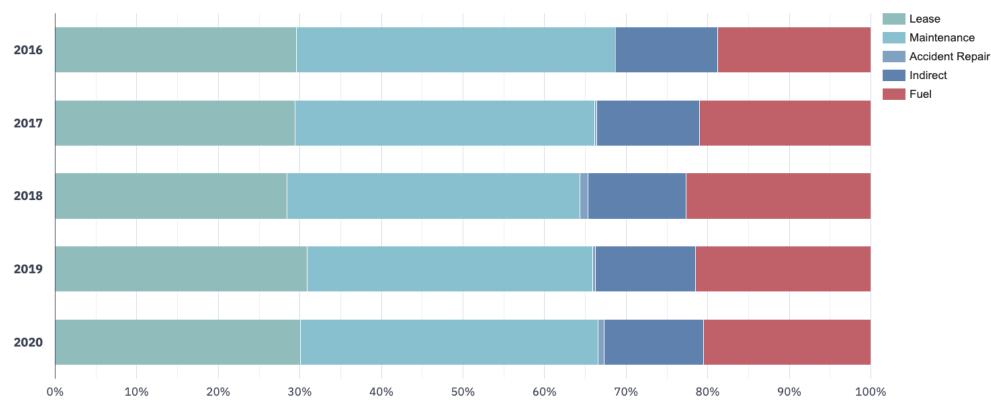
Cost (USD)

250M

500M

Operating Costs













Inventory

658K

+1.9%



Miles

4.16B

-7.1%

0

Fuel

372M GGE

-3.8%

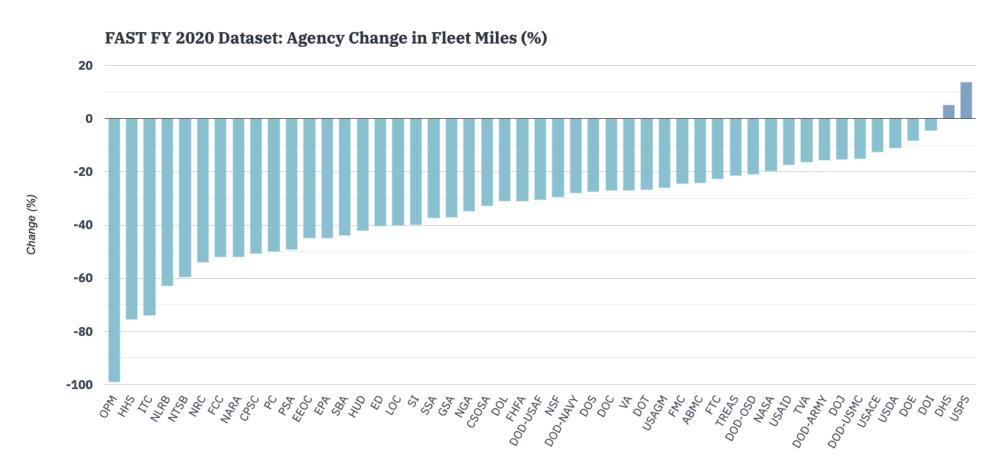
U

Cost

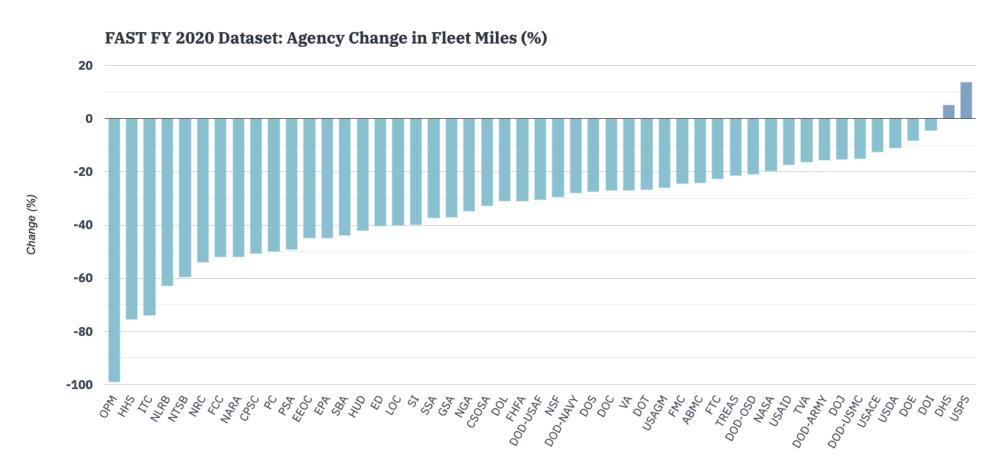
\$3.55B

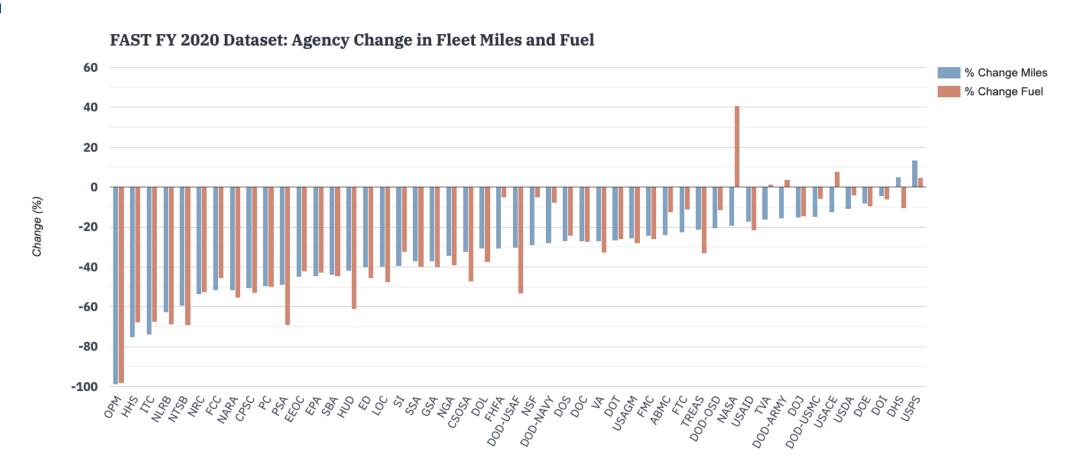
-3.9%



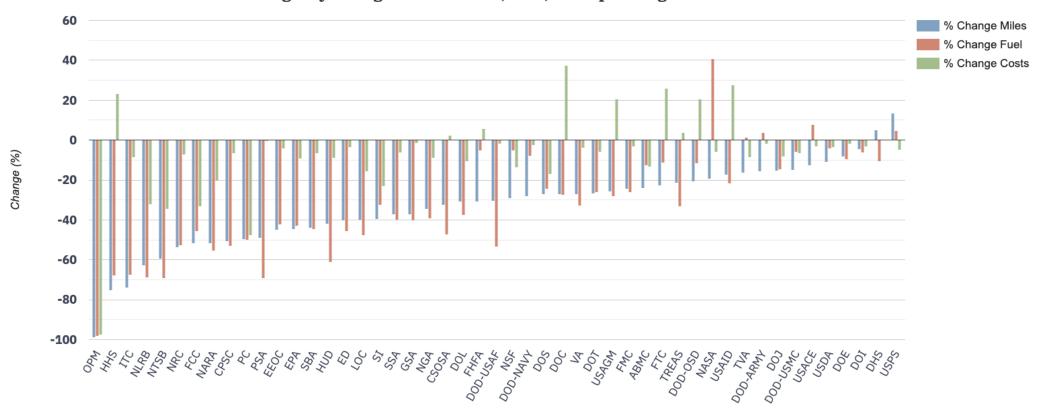








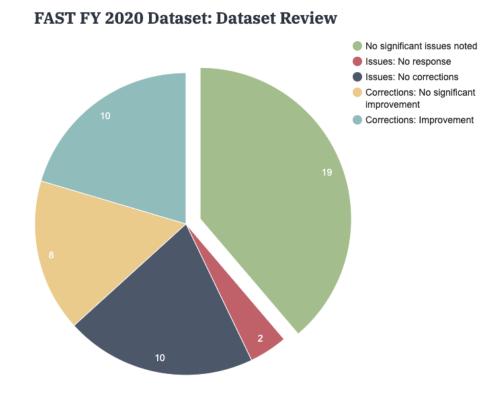
FAST FY 2020 Dataset: Agency Change in Fleet Miles, Fuel, and Operating Costs



FY 2020 Federal Fleet Dataset: Review and Corrections

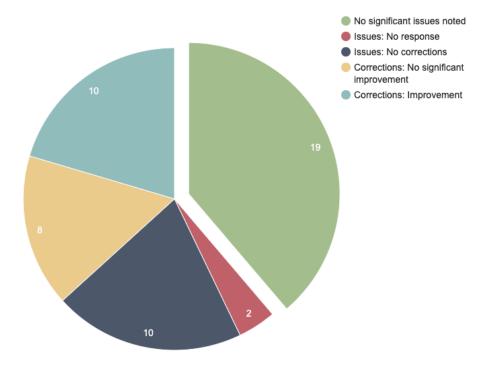
Review Process and Results

- FAST management team reviewed agency submissions
- Written feedback provided to agencies (late January 2021)
- Agencies responded to any noted potential issues
- Agencies granted short period to submit corrections where feasible (due late February 2021)

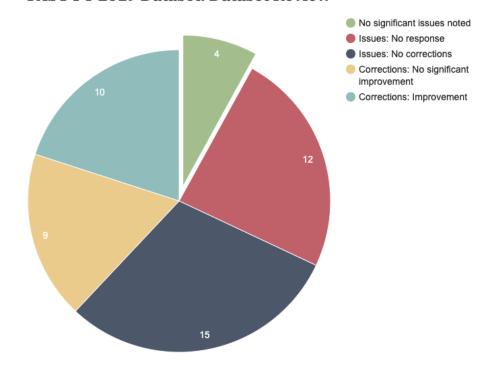


FY 2020 Federal Fleet Dataset: Review and Corrections

FAST FY 2020 Dataset: Dataset Review



FAST FY 2019 Dataset: Dataset Review



FY 2020 Federal Fleet Dataset: Review and Corrections

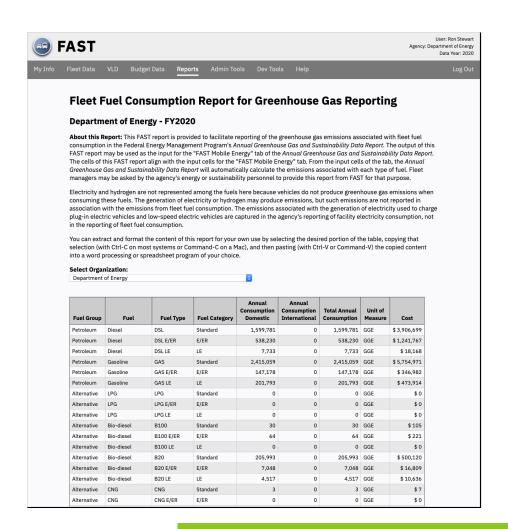
Impact of Agency Corrections

- Review Measure 6: Invalid vehicle fuel efficiencies
 - Agency corrections reduced issues by 19% (3,500 vehicles)
 - 5 agencies addressed over 80% of the identified vehicles in their submissions
- Review Measure 7(d): Previously-reported vehicles missing
 - 3 agencies reduced these by 15%, 36%, 100% (adding almost 200 vehicles)
- Review Measure 8: Use of "placeholder" vehicle attributes
 - 12 agencies reduced these:
 - Over 1,400 fewer vehicles with placeholders
 - Eliminated over 1,200 blocking placeholders, 700 flagging placeholders
 - 2 agencies eliminated over 70% of their placeholders

FY 2020 Federal Fleet Dataset

Important Activity After the Data Call

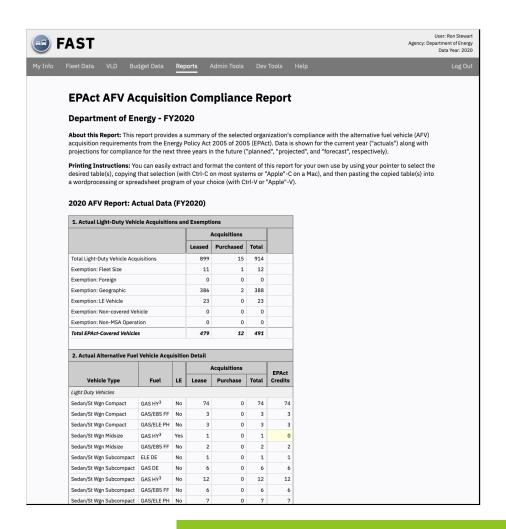
- Fleet fuel cost data finalized
 - FAST's "Fleet Fuel Consumption Report for Greenhouse Gas Reporting" finalized
 - Summaries for all agencies transmitted to DOE's Federal Energy Management Program



FY 2020 Federal Fleet Dataset

Important Activity After the Data Call

- EPAct AFV acquisition compliance analysis is complete
 - Same process as FY 2019: vehicle location used to determine vehicle coverage / exemption status
 - Now reflected on FAST's "EPAct AFV Acquisition Compliance Report"



FY 2020 Federal Fleet Dataset

Important Activity After the Data Call

Other Compliance and Reporting Activities

- Review and incorporation of fueling center and EVSE inventory submissions into DOE's Alternative Fuel Data Center
- EISA 2007 Section 141 compliance summary transmitted to EPA
- Preparation of OMB sustainability scorecards
- EPAct 2005 Section 701 compliance analysis
- Preparation of GSA's Federal Fleet Report data tables and related products





FAST: FY 2020 Federal Fleet Dataset



FAST Program Points of Contact

- **DOE Federal Energy Management Program**
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- - https://fastweb.inl.gov/help/

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